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AGRICULTURAL LIBRARIES INFORMATION NOTES

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A VISIT TO EMBRAPA
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I recently returned from a 2-week trip to Brazil sponsored by the Interamerican Institute for Cooperation on Agriculture. The purpose of the trip was to review with the staff of EMBRAPA, the agricultural research agency of the Brazilian Ministry of Agriculture, current automated information systems.

The National Agricultural Library (NAL) and the Agricultural Research Service (ARS), USDA, have worked closely with EMBRAPA staff at the Brazilian Department of Information and Documentation for a number of years. Some of the computer programs used in Brazil have been supplied by NAL and ARS. The most notable of these are the Current Awareness Literature Service (CALS) programs for Selective Dissemination of Information (SDI) services and the bibliographic processing programs developed at NAL.

EMBRAPA operates a current literature awareness SDI service for its researchers using computer database tapes from NAL as well as those from major abstracting and indexing services such as Chemical Abstracts, Biological Abstracts, the Institute for Scientific Information, and the Commonwealth Agricultural Bureaux, among others. The service is provided to researchers at all the EMBRAPA research centers located throughout Brazil.

One of my primary activities during the trip was to assist in the installation of a new version of the modules to handle user profile data along with a new module to insert document location data in the printer citations. This latter module was implemented at NAL so that journal call numbers and location symbols could be printed in the citations thereby simplifying and speeding up the document request services. EMBRAPA will use this module to include their own location symbols from their many research facilities that have libraries.

Briefings were also held for the SDI staff on using the new AGRICOLA alternate format for SDI. A test file was delivered and NAL will provide the new conversion program. This new format will produce an improved AGRICOLA citation for SDI users with the data being presented in a more complete form.

EMBRAPA has recently published an experimental issue of a new abstracting journal, Agropecuaria Brasileira: Resumos. This will contain about 1,500 to 2,000 citations per year with abstracts of Brazilian documents relating to agriculture. Discussions were held regarding the sharing of this data and its potential for use in AGRICOLA.

EMBRAPA has developed its own centralized library processing system. They now handle current acquisitions through this online system along with their cataloging and the tracking of document requests for interlibrary loan.



ASSOCIATES NAL, INC.

AWARDS TO BE PRESENTED BY ASSOCIATES OF THE NATIONAL AGRICULTURAL LIBRARY, INC.

Three special awards will be made to nominated outstanding recipients in the agricultural library community by the Associates of the National Agricultural Library, Inc. at its annual meeting in the summer of 1983.

The three awards are: (1) PROFESSIONAL ACHIEVEMENT AWARD for any published contributions to library literature or meritorious accomplishments in the library science fields. Eligibility: Open to scientists, researchers, librarians, professional societies, businesses, and Associates NAL, Inc.

(2) CITATION OF SPECIAL RECOGNITION for special achievement and/or service given to the National Agricultural Library, to other agricultural libraries or significant achievements leading to the advancement of the library science field. Eligibility: Open to concerned individuals and organizations and businesses in the agricultural field, NAL staff, and the Associates NAL, Inc.

(3) DISTINGUISHED SERVICE AWARD recognizes and encourages meritorious performance exceeding job requirements at the National Agricultural Library. Eligibility: Open to all members of the National Agricultural Library staff.

All nominations should be mailed not later than May 31, 1983, to Barbara Williams Jenkins, Box 1565, South Carolina State College, Orangeburg, South Carolina 29115. Each nomination should include the following information: (1) Name of the award for which the candidate is proposed, (2) a brief statement of the basis of the

nomination and, (3) where appropriate, a bibliography which supports the nomination.

MEMBERSHIP DRIVE

The Associates of the National Agricultural Library, Inc. is a nonprofit interdisciplinary organization dedicated to fostering interest in the National Agricultural Library (NAL) of the United States Department of Agriculture (USDA) and its collections, facilities, and needs, with the aim of advancing the collection, organization, and dissemination of agricultural information for the benefit of the people of the United States and the world. The holdings of the National Agricultural Library reflect a balance between the national and international demands of the agricultural community.

The Associates support special projects and programs for the National Agricultural Library, which are not covered by appropriated funds. Examples are educational symposiums, an awards program, and building a fund for the acquisition of rare or unusual books and periodicals.

Members receive the illustrated journal of the Associates, attend symposia at reduced fees, and have use of copying machines in the NAL lobby at no charge. Members also have the privilege of using the resources and services of the Library on site.

A bumper sticker produced by the Hamby Company of Plainview, Texas, reads as follows: IF YOU EAT, you are involved in ... AGRICULTURE. We feel that if you are a member of the Associates of the National Agriculture Library, Inc., then you are also both supportive of and involved in agriculture.

We hope you, our readers, will give serious consideration to joining or renewing your membership. Personal memberships are \$10 per annum. Institutional memberships are \$100 per annum. Inquiries should be directed to the Executive Secretary, Associates NAL, Inc., Room 1402, NAL Bldg., Beltsville, MD 20705.

COMPUTERS TO KEEP TRACK OF NATION'S PLANT RESOURCES

A computer network now being developed will do for plant scientists worldwide what seed catalogs do for gardeners--help them find the plants they are looking for. What sets the U.S. Department of Agriculture's future electronic catalog apart from the gardener's is its size. More than 600,000 different plants from all corners of the world will be cataloged in the computer-assisted GRIN, short for Germplasm Resources Information Network. As fast as computers can punch out the words, scientists will be able to find among thousands of plants the specific ones needed for research or for breeding programs to cope with agricultural problems like droughts, blights, or other emergencies.

Terry B. Kinney, Jr., Administrator of the USDA's Agricultural Research Service, which will operate the network, said it will mean that scientists can sort and identify plants faster than ever before. "One of the payoffs will be that scientists can search through plant species for specific beneficial traits," Kinney said, "and then go to work to put into farmers' hands plants that resist disease and other dangers. Kinney said the computer network is being completed by the Laboratory for Information Science in Agriculture, Fort Collins, Colorado, to service the National Plant Germplasm System. Within that system is the nation's storehouse of germplasm--the genetic raw material scientists need to develop new and better crop varieties that ensure a stable and plentiful supply of food and fiber.

USDA's Agricultural Research Service coordinates the system of Federal, State, and private organizations that cooperate in collecting, storing, and preserving plant germplasm so it is available to plant scientists. "Many of the plant materials stored in permanent or working collections are wild or semiwild ancestors of today's crop plants and other unimproved

germplasm that will be extremely valuable to breeders in the future," Kinney said.

Computers are the "only realistic way to manage the huge variety of genetic materials maintained in the system," said Charles L. Gerhardt, computer specialist at the Beltsville, Maryland, Agricultural Research Center. He heads a team that will operate and update the system after it becomes operational in July.

Gerhardt said the network will provide data on yields, winter hardiness, days to maturity, resistance to diseases, and other characteristics that plant breeders need. Also the network will make it easier to locate seeds and cuttings stored in the system's repositories located across the country and speed shipment to plant specialists.

According to Kinney, the germplasm system's value will increase in the future as genetic engineering techniques are refined and superior plant varieties are designed for disease resistance and high yields.

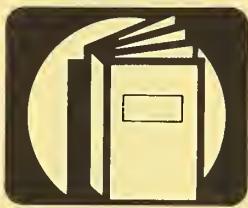


--USDA News, March 8, 1983

"AGRICULTURAL CHEMICALS OF THE FUTURE" MAY 2-31, 1983

The theme for the May exhibit at the National Agricultural Library has been developed in conjunction with and to enhance the VIII Beltsville Symposia in Agricultural Research to be held in Beltsville during the week of May 16-19. The symposium and the exhibit will focus on developing the future chemical technology for pest control and growth modification in plants and animals and for improving agricultural production and technology for the benefit of farmers and consumers. Chemicals are essential components of modern food and fiber production and their use is not likely to be replaced quickly by alternative strategies. Current compounds have predictable futures; however, basic research can lead to new or improved strategies in the use of old and new chemicals.





NEW PUBLICATIONS OF NOTE

Cattle Cycles: How to Profit From Them. Tommy Beale, Paul R. Hasbargen, John E. Ikerd, Douglas E. Murfield, and David C. Petritz. Washington, D.C., U.S. Department of Agriculture, Extension Service in cooperation with the Extension-Industry Beef Resource Committee, 1983. 34 p. (Miscellaneous Publication No. 1430). \$4.75. Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Distribution of Suspended-Sediment Concentrations and Velocities in the Washita River. A Data Summary. New Orleans, LA, Agricultural Research Service (Southern Region), U.S. Department of Agriculture, 1982. 30 p. (Agricultural Reviews and Manuals, ARM-S-31/November 1982) ISSN 0193-3779. Free. Request from Water Quality and Watershed Research Laboratory, P. O. Box 400, Chickasha, OK 73018.

Graduates of Higher Education in the Food and Agricultural Sciences. Volume III--Sex, Race, and Ethnicity Characteristics of Students and Graduates of Food and Agricultural Professionals. Kyle Jane Coulter and Marge Stanton. Washington, D.C., Office of High Education, Agricultural Research Service, U.S. Department of Agriculture. 1983. 95 p. (Miscellaneous Publication 1433.) Free. Request from Office of Higher Education, ARS/USDA, Rm. 426-A, Adm. Bldg., 14th & Independence Ave., S.W., Washington, D.C. 20250.

Influence of Cultural Practices on Arthropod Populations in Cotton. Perry A. Glick. New Orleans, LA, Agricultural Research Service, (Southern Region), U.S. Department of Agriculture, 1983.

52 p. (Agricultural Reviews and Manuals, ARM-S-32/January 1983). ISSN 0193-3779. Free. Request from Cotton Insects Research Unit, Agricultural Research Service, P. O. Box 1033, Brownsville, TX 78520.

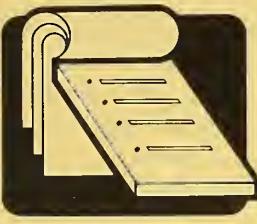
Maize for Biological Research. William F. Sheridan, ed. Charlottesville, VA, Plant Molecular Biology Association, 1982.

434 p. \$20.00 individuals for personal use, \$35.00 libraries and other institutions. ISBN 0-9608758-0-8. Order from PMBA Business Office, P. O. Box 5126, Charlottesville, VA 22905. All orders must be accompanied by payment, either money orders or checks in U.S. dollars drawn on a U.S. bank.

Retrieval Procedures for Hydrologic Data from ARS Experimental Watersheds in the United States (REPHLEX). J. L. Thurman, R. T. Roberts, and J. B. Burford. Washington, D.C., Agricultural Research Service, U.S. Department of Agriculture, 1983. 114 p. (Agricultural Reviews and Manuals ARM-NE-9) Free. Request from Water Data Laboratory, Beltsville Agricultural Research Center-West, Beltsville, MD 20705.

Shipping Fresh Fruits and Vegetables in Mixed Loads to the Caribbean. New Orleans, LA, Agricultural Research Service (Southern Region), U.S. Department of Agriculture, 1982. 10 p. (Advances in Agricultural Technology, AAT-S-27.) Free. Request from U.S. Horticultural Research Laboratory, 2120 Camden Rd., Orlando, FL 32830.

Southern Pasture and Crop Improvement Conference, 38th, June 7-10, 1982. Blacksburg, Virginia. Proceedings. New Orleans, LA, Agricultural Research Service (Southern Region) U.S. Department of Agriculture, 1983. 149 p. ISSN 0193-6425. Free. Request from Forage and Turf Research Unit, Agricultural Research Service, Georgia Coastal Plain Experiment Station, Tifton, GA 31793. Limited quantities of the 28th through 37th Proceedings are also available.



NEW SERIALS RECEIVED AT NAL

American Association of Exporters and Importers Membership Directory. New York, NY, The Association. biennial. 1981/82-

HF3012.A66

DNA. New York, Mary Ann Liebert. q. Vol. 1, no. 1 (1981)-

CH443.D5

Food Microstructure. Chicago, IL, Scanning Electron Microscopy Inc. s.a. Vol. 1, no. 1 (1982)-

TX543.F66

Land Report. Hannover, (Madsack). w. Nr. 1 (7. Jan., 1982)-

18.L222

MFL: European Marketing of Fruit and Vegetables. Paris, Les Editions Fruit et Primeurs. w. No. 1, (29 Oct., 1982)-

HD9015.E8M3

Quantitative Structure-Activity Relationships in Pharmacology, Chemistry, and Biology. Weinheim, Federal Republic of Germany, Verlag Chemie. q. Vol. 1, no. 1 (Aug. 1982)-

QP906.S7508

Quarterly Economic Review of China, North Korea. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC426.A1E3

Quarterly Economic Review of Czechoslovakia. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC267.B2AI

Quarterly Economic Review of East Germany. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC290.7.Q3

Quarterly Economic Review of Hong Kong. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC470.3.Q3

Quarterly Economic Review of Hungary. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC300.2.Q3

Quarterly Economic Review of Poland. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC337.P7A1

Quarterly Economic Review of South Korea. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC466.A1Q3

Quarterly Economic Review of Taiwan. London, Economist Intelligence Unit. q. 1st quarter (1982)-

HC430.5.A1Q3

Review of the Science of Cattle Raising. (Cordoba, Argentina), Universidad Nacional de Cordoba, Facultad de Ciencias Agropecuarias. a. Vol. 1 (1980)-

SF84.82.R48

Technical Agriculture Review. (Argentina), Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Regional Agropecuaria Famailla. irr. Ano 1, no. 1 (Agosto de 1981)-

S475.A7R48

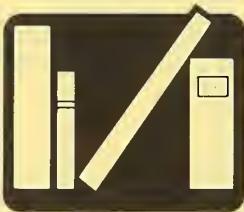
Textile Horizons. (Manchester, England), The Textile Institute. m. Vol. 1, no. 1 (Sept. 1981)-

TS1760.T4

The Southwestern Review of Management and Economics. Albuquerque, NM, Bureau of Business and Economics Research, Institute for Applied Research Services, University of New Mexico. q. Vol. 1, no. 1 (Spring 1981)-

HD1773.A6S68





NEW BIBLIOGRAPHIES

A Bibliography of Earthworm Research. J. E. Satchell and Kyla Martin. Grange-Over-Sands, Cumbria, U.K., Institute of Terrestrial Ecology, Merlewood Research Station, 1981. 172 p. Price unavailable. Order from publisher. (NAL call no.: Z7996.W92S2).

Entomological Bibliography of the California Islands. Scott E. Miller and Arnold S. Menke. Santa Barbara, CA, Santa Barbara Museum of Natural History, 1981. 78 p. Occasional paper no. 11. Price unavailable. Request from publisher, Santa Barbara, CA 93105. (NAL call no.: Z5856.M52).

A Guide to Agricultural Periodicals Published in Western Canada. Edmonton, Alta., Alberta Agriculture, Library, 1981. 16 Leaves. Price unavailable. Request from Alberta Agriculture, 9718-107 St., Edmonton, Alberta, T5K2C8. (NAL call no.: Z5073.67).

Infant Feeding: An Annotated Bibliography. Christine Marie Crowhurst and Bonnie Lee Kumer. Toronto, Ont., Nutrition Information Service, Ryerson Polytechnical Institute Library, 1982. 154 p. \$8.95 (\$8.00 prepaid). Order from Ryerson Polytechnic Institute, 50 Gould Street, Toronto, Ontario, M5B1E8, (416) 595-5428. (NAL call no.: Z6673.3.C76 F&N E-3868).

Information Sources on the Agricultural Implements and Machinery Industry. Rev. Ed. New York, United Nations, 1982. 107 p. (UNIDO Guides to Information Sources, No. 8.) \$U.S.4.00. Order from United Nations, Sales Section, N.Y., N.Y. (NAL call no.: Z5074.M1815 1982).

Information Sources on the Flour Milling and the Bakery Products Industries. New York, United Nations, 1981. 100 p. (UNIDO Guides to Information Sources No. 39.) \$U.S.4.00. Order from United Nations, Sales Section, N.Y., N.Y. (NAL call no.: Z7914.M6150).

Nutrition and Aging: A Selected Bibliography. Barbara Elaine St. Clair and Sandra Ann Wong. Toronto, Ont., Nutrition Information Service, Ryerson Polytechnical Institute Library, 1982. 128 p. \$8.95 (\$8.00 prepaid.) Order from Library Publications Office, Room L284, Ryerson Polytechnical Institute, 50 Gould Street, Toronto, Ontario M5B1E8 (416) 595-5428. (NAL call no.: Z5776.N8S24 F&N E-3867).

Toxicology: A Guide to Sources of Information. Philip Wexler. Bethesda, MD, National Library of Medicine, 1981. 18 p. (Reference Information Series.) Free. Request from publisher. (NAL call no.: Z7890.T69 F&N E-3901).

BIBLIOGRAPHIC CLEARANCES

As prescribed in 2AR82, USDA agencies, including field installations, must obtain authorization from the National Agricultural Library before beginning compilation of a bibliography. Request for clearances should be submitted to Bibliographic Clearance Officer, Educational Resources Staff, Office of the Director, National Agricultural Library, Beltsville, MD 20705 (301-344-3937).

The following proposals for bibliographies were cleared in March:

Aquaculture Bibliography. Charles N. Bebee, Comp. Contact: The compiler, F&SP, National Agricultural Library, Beltsville, MD 20705 (301-344-3834).

Water Relations of Western Conifers. William Lopushkinsky, Comp. Contact: The compiler, USDA, Forest Service, Forestry Sciences Laboratory, 1133 N. Western Ave., Wenatchee, WA 98801.

QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests.

Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for 6 months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Section, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--83-13. *Low Sodium Diets, 1979-Nov. 1982.* 180 citations from AGRICOLA. Searched by Jayne T. MacLean. January 1983.

NAL--Q.B.--83-14. *EEC Trade Policies: Effect on World Agricultural Markets, 1970-1982.* 313 citations from AGRICOLA. Searched by Maria Pisa. January 1983.

NAL--Q.B.--83-15. *The Commodity Futures Market, 1972-1982.* 160 citations from AGRICOLA. Searched by Maria Pisa. January 1983.

NAL--Q.B.--83-16. *Plant Explorations and Introductions, 1980-1982.* 140 citations from AGRICOLA. Searched by Jayne T. MacLean. January 1983. Updates Q.B. 81-15.

NAL--Q.B.--83-17. *Urban Forestry, 1982.* 193 citations from AGRICOLA. Searched by Jayne T. MacLean. January 1983. Updates Q.B. 81-15.

NAL--Q.B.--83-18. *Acid Rain: Impacts on Agriculture, 1975-1982.* 234 citations from AGRICOLA. Searched by Sheldon Cheney. January 1983. Updates Q.B. 81-29.

NAL--Q.B.--83-19. *Kiwi Fruit, 1969-1982.* 225 citations from AGRICOLA. Searched by Sheldon Cheney. January 1983.

NAL--Q.B.--83-20. *Wind Energy in Agriculture, 1978-1982.* 129 citations from AGRICOLA. Searched by Jayne T. MacLean. January 1983. Updated Q.B. 80-09.

NAL--Q.B.--83-21. *Mini and Micro Computers in Agriculture, 1972-1982.* 226 citations from AGRICOLA. Searched by Maria Pisa. February 1983. Supersedes Q.B. 82-05.

NAL--Q.B.--83-22. *The Capsicum Peppers, 1979-1982.* 193 citations from AGRICOLA. Searched by Jayne T. MacLean. February 1983.

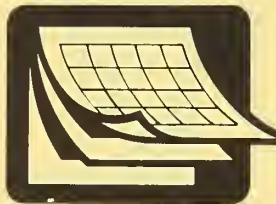
NAL--Q.B.--83-23. *Gypsy Moth: Biological Control, May 1982-January 1983.* 101 citations from AGRICOLA. Searched by Jayne T. MacLean. March 1983. Updates Q.B. 82-16.

NAL--Q.B.--83-24. *Yogurt-Production and Consumer Acceptance, 1979-82.* 101 citations from AGRICOLA. Searched by Jayne T. MacLean. March 1983. Updates Q.B. 81-21.

NAL--Q.B.--83-25. *Ecology of Loblolly Pine Forest, 1970-82.* 118 citations from AGRICOLA. Searched by Jayne T. MacLean. March 1983. 

POSITION OPEN

ASSISTANT LIFE SCIENCES LIBRARIAN: MLS (ALA accredited). Minimum of 2 years professional experience, preferably in an agriculture/science/technology library. Twelve month appointment with annual vacation of 22 days. Group life, major medical, and disability insurance are in effect as are TIAA-CREF and social security. Salary: \$15,000 and up depending on qualifications. Application deadline: June 15, 1983. Send resume and list of references to Thomas L. Haworth, Personnel Officer, Libraries, Stewart Center, Purdue University, West Lafayette, IN 47907. An equal opportunity/affirmative action employer.



AGRICULTURE DATEBOOK

June 1-4: *Third Symposium on Coast and Ocean Management. Coastal Zone '83.* Town and Country Inn, San Diego, CA. Contact: Coastal Zone '83, P. O. Box 26062, San Francisco, CA 94126.

June 9: *Food and Nutrition Division and Agricultural Librarians Roundtable, Special Libraries Association.* New Orleans, LA. Contact: W. C. Olsen, Chief, F&SP, National Agricultural Library, Beltsville, MD 20705.

June 10: *USDA Field Librarians and Information Specialists.* New Orleans, LA. Contact: W. C. Olsen, Chief, F&SP, National Agricultural Library, Beltsville, MD 20705.

June 26-29: *American Dairy Science Association.* University of Wisconsin, Madison, WI. Contact: Claude J. Cruse, Exec. Sec., 309 W. Clark Street, Champaign, IL 61820.

June 26-30: *American Phytopathological Society.* Iowa State University, Ames, IA. Contact: R. J. Tarleton, Exec. V.P., 3340 Pilot Knob Road, St. Paul, MN 55121.

July 17-21: *American Veterinary Medical Association.* New York Hilton and Sheraton Center, NY. Contact: Russell G. Rongren, Dir. Bus. Div., 930 N. Meacham Road, Schaumburg, IL 60196.

July 30-August 4: *American Soybean Association.* Opryland, Nashville, TN. Contact: Ken R. Bader, Chief Exec. Off., Box 27300, Craig Road, St. Louis, MO 63141.

July 31-August 3: "Resource Information for Conservation Decisions." 38th Annual Meeting. Soil Conservation Society of America. Parkview Hilton Hotel, Hartford, CT. Contact: Max Schnepf, Ankeny, IA 50021. Telephone: (501) 289-2331.

July 31-August 3: *American Agricultural Economic Association.* Purdue University Lafayette, IN. Contact: Sydney C. James, Sec.-Treas., Dept. Economics, Iowa State University, Ames, IA 50011.

August 9-10: *Poultry Science Association.* University of Maryland, College Park, MD. Contact: Claude J. Cruse, Exec. Sec., 309 W. Clark Street, Champaign, IL 61820.

August 14-19: *Solar World Congress.* Perth, Western Australia. Congress Coordinator: Solar World Congress, Perth 1983, GPO Box X2275, Perth W.A. 6001 Australia.

August 14-19: *American Society of Agronomy, Crop Science Society of America and Soil Science Society of America.*

Annual meetings, Washington, D.C. Contact: Washington Annual Meetings, ASA, CSSA, SSSA Headquarters Office, 677 South Segoe Road, Madison WI 53711.

September 10-14: *International Association of Fish and Wildlife Agencies.* 73rd Annual Meeting. Red Carpet Hotel, Milwaukee, WI.

October 2-6: *Productivity in the Information Age.* Annual meeting of the American Society for Information Science. Crystal City, Arlington, VA.

Contact: Edmond Sawyer, Conference Chairman, ASIS Headquarters, 1010 16th St. N.W., Washington, D.C. 20036. (202) 659-3644.



AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Leila Moran, Editor.